

WHAT IS CLAIMED IS:

- 1 1. A multi-robotic system architecture having a plurality of system layers
2 interconnected to one another, comprising:
3 a first layer including a hybrid control system for a plurality of mobile robotic
4 agents (MRAs);
5 a second layer including a distributed mobile robotic system for the plurality
6 of MRAs;
7 a third layer including a grid computing architecture in a plurality of dynamic
8 clusters;
9 a fourth layer including a dynamic distributed object relational database
10 management system;
11 a fifth layer including an omni-nodal evolutionary artificial neural network;
12 a sixth layer including a multi-agent system and a plurality of intelligent
13 mobile software agents;
14 a seventh layer including a plurality of cellular automata simulations; and
15 an eighth layer including a plurality of functional applications.